## The Pennsylvania State University The Graduate School Eberly College of Science

## THE ANGULAR DISTRIBUTION OF THE EXCLUSIVE DECAYS

J/ (3097) AND (3686)  $\Rightarrow e^+e^-$ 

## FROM ANTIPROTON-PROTON ANNIHILATIONS

A Thesis in

**Physics** 

by

Robert J. McTaggart II

Submitted in Partial Fulfillment of the Requirements for the Degree of

**Doctor of Philosophy** 

May 1998